



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/263,367  
Source: 1 fwo  
Date Processed by STIC: 2/9/04

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

DATE: 02/09/2004

PATENT APPLICATION: US/10/763,367

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

3 <110> APPLICANT: Bennett, C. Frank  
 4 Monia, Brett P.  
 5 McKay, Robert  
 6 Baker, Brenda F.  
 8 <120> TITLE OF INVENTION: Hepatocyte Free Uptake Assays  
 10 <130> FILE REFERENCE: ISIS0107-100 (CORE0028US)  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/763,367  
 C--> 12 <141> CURRENT FILING DATE: 2004-01-23  
 12 <160> NUMBER OF SEQ ID NOS: 33  
 14 <170> SOFTWARE: PatentIn Ver. 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 24  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN forward primer  
 24 <400> SEQUENCE: 1  
 25 atgacaatca tgttgacga attc 24  
 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 25  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN reverse primer  
 35 <400> SEQUENCE: 2  
 36 cgatgcaata aatatgcaca aatca 25  
 38 <210> SEQ ID NO: 3  
 39 <211> LENGTH: 26  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN probe  
 46 <400> SEQUENCE: 3  
 47 gtaaagctgg aaagggacgg actggt 26  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 21  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Artificial Sequence  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: fas forward primer  
 57 <400> SEQUENCE: 4  
 58 tccaagacac agctgacga a 21  
 60 <210> SEQ ID NO: 5

Does Not Comply  
Corrected Diskette Needed

p.6

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DATE: 02/09/2004

PATENT APPLICATION: US/10/763,367

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

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61 <211> LENGTH: 22
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: fas reverse primer
68 <400> SEQUENCE: 5
69 tgcacacactc ttcccatgag at                22
71 <210> SEQ ID NO: 6
72 <211> LENGTH: 26
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: fas probe
79 <400> SEQUENCE: 6
80 agtccagctg ctcctgtgct ggtacc            26
82 <210> SEQ ID NO: 7
83 <211> LENGTH: 19
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b forward
primer
90 <400> SEQUENCE: 7
91 cgtgggctcc agcattcta                    19
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 21
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b reverse
primer
101 <400> SEQUENCE: 8
102 agtcatttct gcctttgcgt c                21
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 22
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b probe
112 <400> SEQUENCE: 9
113 ccaatggtcg ggcactgctc aa              22
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride
transfer protein forward primer
123 <400> SEQUENCE: 10
124 gagcggctctg gatttacaac g              21
126 <210> SEQ ID NO: 11
127 <211> LENGTH: 24

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## RAW SEQUENCE LISTING

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DATE: 02/09/2004

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

128 &lt;212&gt; TYPE: DNA

129 &lt;213&gt; ORGANISM: Artificial Sequence

131 &lt;220&gt; FEATURE:

132 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride transfer protein reverse primer

134 &lt;400&gt; SEQUENCE: 11

135 aggtagtgtac agatgtggct tttg

24

137 &lt;210&gt; SEQ ID NO: 12

138 &lt;211&gt; LENGTH: 23

139 &lt;212&gt; TYPE: DNA

140 &lt;213&gt; ORGANISM: Artificial Sequence

142 &lt;220&gt; FEATURE:

143 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride transfer protein probe

145 &lt;400&gt; SEQUENCE: 12

146 caaaccaggt gctgggcgtc agt 23

148 &lt;210&gt; SEQ ID NO: 13

149 &lt;211&gt; LENGTH: 15

150 &lt;212&gt; TYPE: DNA

151 &lt;213&gt; ORGANISM: Artificial Sequence

153 &lt;220&gt; FEATURE:

154 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a forward primer

156 &lt;400&gt; SEQUENCE: 13

157 tcgccgcttg ctgca

15

159 &lt;210&gt; SEQ ID NO: 14

160 &lt;211&gt; LENGTH: 17

161 &lt;212&gt; TYPE: DNA

162 &lt;213&gt; ORGANISM: Artificial Sequence

164 &lt;220&gt; FEATURE:

165 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a reverse primer

167 &lt;400&gt; SEQUENCE: 14

168 atcgccgtg atgtcga

17

170 &lt;210&gt; SEQ ID NO: 15

171 &lt;211&gt; LENGTH: 23

172 &lt;212&gt; TYPE: DNA

173 &lt;213&gt; ORGANISM: Artificial Sequence

175 &lt;220&gt; FEATURE:

176 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a probe

178 &lt;400&gt; SEQUENCE: 15

179 ccatggtcaa cccaccgtg ttc 23

181 &lt;210&gt; SEQ ID NO: 16

182 &lt;211&gt; LENGTH: 20

183 &lt;212&gt; TYPE: DNA

184 &lt;213&gt; ORGANISM: Artificial Sequence

186 &lt;220&gt; FEATURE:

187 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense

189 &lt;400&gt; SEQUENCE: 16

190 ctgctagcct ctggatttga

20

192 &lt;210&gt; SEQ ID NO: 17

193 &lt;211&gt; LENGTH: 20

194 <212> TYPE: DNA

## RAW SEQUENCE LISTING

DATE: 02/09/2004

PATENT APPLICATION: US/10/763,367

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

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195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense
200 <400> SEQUENCE: 17
201 cttctggcat ccggtttaga                20
203 <210> SEQ ID NO: 18
204 <211> LENGTH: 20
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense
211 <400> SEQUENCE: 18
212 ctgctagcct ctggatttga                20
214 <210> SEQ ID NO: 19
215 <211> LENGTH: 20
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense
222 <400> SEQUENCE: 19
223 cttctggcat ccggtttaga                20
225 <210> SEQ ID NO: 20
226 <211> LENGTH: 20
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Fas antisense
233 <400> SEQUENCE: 20
234 tccagcactt tcttttccgg                20
236 <210> SEQ ID NO: 21
237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Fas antisense
244 <400> SEQUENCE: 21
245 tccatctcct tttatgccgg                20
247 <210> SEQ ID NO: 22
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: MTP antisense
255 <400> SEQUENCE: 22
256 cccagcacct ggtttgccgt                20
258 <210> SEQ ID NO: 23
259 <211> LENGTH: 20
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 02/09/2004

PATENT APPLICATION: US/10/763,367

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

263 <220> FEATURE:  
 264 <223> OTHER INFORMATION: Description of Artificial Sequence: Apo B antisense  
 266 <400> SEQUENCE: 23  
 267 gtccctgaag atgtcaatgc 20  
 269 <210> SEQ ID NO: 24  
 270 <211> LENGTH: 21  
 271 <212> TYPE: DNA/RNA  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
 277 <400> SEQUENCE: 24  
 278 cugcuagccu cuggauuugt t 21  
 280 <210> SEQ ID NO: 25  
 281 <211> LENGTH: 21  
 282 <212> TYPE: DNA/RNA  
 283 <213> ORGANISM: Artificial Sequence  
 285 <220> FEATURE:  
 286 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN sense  
 288 <400> SEQUENCE: 25  
 289 caaauccaga ggcuaagcagt t 21  
 291 <210> SEQ ID NO: 26  
 292 <211> LENGTH: 21  
 293 <212> TYPE: DNA/RNA  
 294 <213> ORGANISM: Artificial Sequence  
 296 <220> FEATURE:  
 297 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
 299 <400> SEQUENCE: 26  
 300 cuucuggcau ccgguuuagt t 21  
 302 <210> SEQ ID NO: 27  
 303 <211> LENGTH: 21  
 304 <212> TYPE: DNA/RNA  
 305 <213> ORGANISM: Artificial Sequence  
 307 <220> FEATURE:  
 308 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN sense  
 310 <400> SEQUENCE: 27  
 311 cuaaaccgga ugccagaagt t 21  
 313 <210> SEQ ID NO: 28  
 314 <211> LENGTH: 21  
 315 <212> TYPE: RNA  
 316 <213> ORGANISM: Artificial Sequence  
 318 <220> FEATURE:  
 319 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
 321 <400> SEQUENCE: 28  
 322 cugcuagccu cuggauuuga c 21  
 324 <210> SEQ ID NO: 29  
 325 <211> LENGTH: 21  
 326 <212> TYPE: RNA  
 327 <213> ORGANISM: Artificial Sequence  
 329 <220> FEATURE:

*the only valid responses for a nucleotide sequence are: DNA or RNA. Use "DNA" for a combined DNA/RNA*

*sequence and explain in*

*<2207-2237 section*

*see 1.823 of sequence Rules*

*DNA and explain in <2207-2237 section*

*DNA*

*Please correct this error in subsequent sequences, if shown.*

*DNA*

## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 02/09/2004

PATENT APPLICATION: US/10/763,367

TIME: 08:12:51

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:10; Line(s) 121

Seq#:11; Line(s) 132

Seq#:12; Line(s) 143



**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004

TIME: 08:12:51

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date